

Appl. No. 09/662,533
Amdt. dated March 22, 2003
Reply to Office Action of Dec. 3, 2003

IN THE ABSTRACT-

Cancel the abstract, as filed, and substitute
therefore the abstract provided on the enclosed sheet
herewith.

ABSTRACT

5
A 25
A technique for discovering the topology of a
computer network and which relies on initially resolving the
positions of end stations on the network and subsequently
resolving the topology of remaining devices. This technique
specifically involves querying a port of a managed device
for a first address of any packet which it received;
querying the same port for a second address of any other
packet which the device received; if there is no such second
packet, then returning data to a manager and determining if
10 there is another port on the device; if there is such a
second address, determining if there is another port on the
device; repeating the preceding steps for the other port of
the device; and if no such other port exists, repeating all
the preceding steps for another managed device on the
15 network.